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July 26, 2002  
Date

  
Dawn Rogers



THE UNITED STATES PATENT AND TRADEMARK OFFICE

3743 #3  
Richard A

In re Application of Dennis P. LONG et al.

Serial No.: 10/053,968

Filed: January 22, 2002



COPY OF PAPERS  
ORIGINALLY FILED

For: **RAPID RESPONSE ELECTRIC HEAT EXCHANGER**

Group Art Unit: 3743

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TECHNOLOGY CENTER R3700

Sir:

Transmitted herewith in subject patent application is:

- ☒ Preliminary Amendment (3 pages);
- ☒ Exhibits A and B Containing marked-up and clean versions of the claims, respectively
- ☒ Certificate of Mailing
- ☒ Return Receipt Post Card.

- ☐ Verified Statement Claiming Small Entity Status under 37 CFR 1.9 and 1.27 has been previously submitted.
- ☐ Verified Statement Claiming Small Entity Status under 37 CFR 1.9 and 1.27 is enclosed.

Fee Determination

OTHER THAN A  
SMALL ENTITY

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL	34	- 34	= 0
INDEP.	4	- 4	= 0
[ ] FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY

RATE	ADD'L FEE
x 9	= \$ 0
x 42	= \$ 0
+ 130	= \$ 0
TOTAL	\$ 0

OR

RATE	ADD'L FEE
x 18	= \$
x 78	= \$
+ 260	= \$
TOTAL	\$

OR

☒ No additional fee is required for claims.

☐ Please charge my Deposit Account No. 07-1985 in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.

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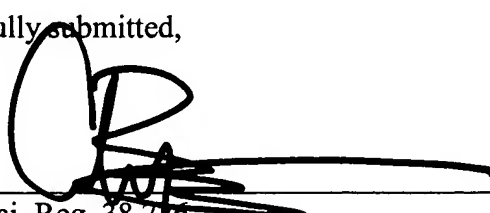
☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 07-1985. A duplicate copy of this sheet is enclosed.

☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

☒ Any patent application processing fees under 37 CFR 1.17.

☒ Any necessary extension of time fees.

Respectfully submitted,



Date: July 25, 2002

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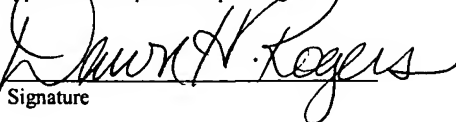
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Assistant Commissioner of Patents

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**PRELIMINARY AMENDMENT**

SIR:

Before initiating any substantive examination on the above-identified patent application, please amend the application as follows:

Please amend the following claims:

A.  
B.

17. The fluid heat exchanger according to claim 13 wherein said inside tube further comprises [first and second] a cold [portions] portion having opposed [inside] proximal and [outside] distal ends, said [outside] distal ends of said [first] cold portion [and said second cold portion] extending outwardly from opposing ends of said inside tube, said hot portion interposed between said [first and second] cold portion [portions] for connection with respective said [inside] proximal ends of said [first and second] cold portion [portions] within said inside tube;